## CLAIMS

What is claimed is:

1. A cleaning method comprising:

a pre-cleaning step of performing at least immersion cleaning for a work using a hydrocarbon-based cleaning liquid containing a surfactant; and a post-cleaning step of performing at least immersion cleaning for the work processed in the pre-cleaning step using a hydrocarbon-based cleaning liquid containing no surfactant;

wherein, in the post-cleaning step, an operation of evacuating the inside of a cleaning bath and an operation of exposing the inside of the cleaning bath to air are repeated while the work is being immersed in the cleaning liquid.

- 2. The cleaning method according to Claim 1, wherein the work is brought out from the cleaning liquid while being inclined in at least one of the pre-cleaning step and the post-cleaning step.
- 3. The cleaning method according to Claim 1, wherein the work is brought out from the cleaning liquid while being moved up and down in at least one of the pre-cleaning step and the post-cleaning step.

- 4. The cleaning method according to Claim 1 , further comprising a step of drying the work between the pre-cleaning step and the post-cleaning step.
- 5. A method for manufacturing a liquid crystal device comprising a step of cleaning liquid crystal panels enclosing liquid crystal therein as the works by a cleaning method according to Claim 1.
- 6. The method for manufacturing a liquid crystal device, according to Claim 5, wherein the pre-cleaning step and the post-cleaning step are performed for liquid crystal panels placed adjacent to each other.
  - 7. A cleaning method comprising:
- a pre-cleaning step including immersing an object to be cleaned in a hydrocarbon based cleaning liquid containing a surfactant; and
- a post-cleaning step including immersing the object to be cleaned from the pre-cleaning step in a cleaning bath containing a hydrocarbon-based cleaning liquid containing no surfactant while repeatedly changing a pressure in the cleaning bath.
- 8. The cleaning method of Claim 7 wherein said step of changing the pressure in the cleaning bath further comprises reducing the pressure to a reduced state and, thereafter, returning the pressure to an original state.

- 9. The cleaning method of Claim 8 wherein said reduced state further comprises about 50 to 100 torr.
- 10. The cleaning method of Claim 8 wherein said original state further comprises about atmospheric pressure.